

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| S27 | 15 | (((((ferromagnetic and first with layer and second with layer) and only with first with layer) or ((ferromagnetic and first with layer and second with layer) and only with second with layer)) and read adj operation\$1) and (((ferromagnetic and first with layer and second with layer) and only with second with layer) and ((ferromagnetic and first with layer and second with layer) and ((365/145,158).CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/28 09:17 |
| S28 | 3256 | (365/145,158,171,173,213,232).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/02 07:24 |
| S29 | 2 | ("6005798").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/02 08:07 |
| S30 | 0 | "PCT/US9601653" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/02 08:09 |
| S31 | 62 | Torok and Spitzer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/02 08:23 |
| S32 | 2 | ("6576969").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/02/02 08:23 |
| S33 | 2 | ("6576969").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/28 09:28 |
| S34 | 1 | 10/692546 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/28 09:36 |

| | | | | | | |
|-----|------|---|---|----|-----|------------------|
| S35 | 1142 | magnetic near memory near cell | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 09:37 |
| S36 | 136 | S35 and data near layer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 09:38 |
| S37 | 33 | S36 and soft near reference near layer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 14:55 |
| S38 | 1 | (soft near reference near layer) near5 magnetic near energy | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 10:34 |
| S39 | 1 | (soft near reference near layer) near5 (magnetic near energy) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 09:40 |
| S40 | 1 | (soft near reference near layer) with (magnetic near energy) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 09:41 |
| S41 | 1 | (soft near reference near layer) and (magnetic near energy) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 10:02 |
| S42 | 1 | S37 and (magnetic near energy) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 10:03 |
| S43 | 4 | ((("6404674") or ("6538917"))).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/28 10:03 |
| S44 | 2 | (soft near reference near layer) with (NiFe CoFe CoFeB CoZrNb) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 10:45 |

| | | | | | | |
|-----|-----|--|---|----|-----|------------------|
| S45 | 41 | (soft near reference near layer) and (NiFe CoFe CoFeB CoZrNb) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 10:45 |
| S46 | 16 | (soft near reference near layer) and (NiFe CoFe CoFeB CoZrNb) and volume | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 10:45 |
| S47 | 14 | (soft near reference near layer) and (NiFe CoFe CoFeB CoZrNb) and volume and ratio | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 10:45 |
| S48 | 1 | S47 and superparamagnetic | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 14:35 |
| S49 | 103 | "15" and ultrasoft | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 14:35 |
| S50 | 14 | (soft near reference near layer) and (NiFe CoFe CoFeB CoZrNb) and volume and ratio | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 10:02 |
| S51 | 6 | S50 and (ultra-soft ultrasoft) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 14:36 |
| S52 | 1 | (soft near reference near layer) with magnetic near2 energy | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 15:17 |
| S53 | 2 | ("6576969").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/28 15:16 |
| S54 | 0 | ("6891746").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/28 15:16 |

| | | | | | | |
|-----|---------|---|---|----|----|------------------|
| S55 | 1 | (soft near reference near layer) with magnetic with energy | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 15:17 |
| S56 | 5 | (soft near reference near layer) and magnetic with energy | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 16:31 |
| S57 | 3427 | softer and magnetic and layer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 15:30 |
| S58 | 339 | softer and magnetic with energy | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 15:39 |
| S59 | 32963 | soft near4 layer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 18:02 |
| S60 | 1354316 | magnetic | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 18:02 |
| S61 | 1379512 | energy | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 18:02 |
| S62 | 6302 | S59 near3 S60 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 18:03 |
| S63 | 18993 | S60 near3 S61 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/28 18:03 |
| S64 | 81 | S63 same S59 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 10:30 |

| | | | | | | |
|-----|---------|--|---|----|-----|------------------|
| S68 | 2 | ("6074707").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/29 10:03 |
| S69 | 32963 | soft near4 layer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 10:31 |
| S70 | 1354316 | magnetic | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 10:31 |
| S71 | 1379512 | energy | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 10:31 |
| S72 | 18993 | S70 near3 S71 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 10:31 |
| S73 | 81 | S72 same S69 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 10:31 |
| S74 | 47 | S73 and soft and data and reference | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 10:31 |
| S75 | 2 | S74 and memory adj cell | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 10:32 |
| S76 | 14 | (soft near reference near layer) and (NiFe CoFe CoFeB CoZrNb) and volume and ratio | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 10:40 |
| S77 | 19 | data near layer and reference near layer and (NiFe CoFe CoFeB CoZrNb) and volume and ratio | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 14:53 |

| | | | | | | |
|-----|--------|-----------------------|---|----|----|------------------|
| S78 | 28161 | reference near3 layer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 14:54 |
| S79 | 40749 | data near3 layer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 14:54 |
| S80 | 1167 | S78 same S79 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:05 |
| S81 | 561617 | toshiba.as. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 14:55 |
| S82 | 13 | S80 and S81 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 14:57 |
| S83 | 37902 | coerc\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 14:58 |
| S84 | 12 | magnetization | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 14:58 |
| S85 | 67355 | magnetization | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 14:59 |
| S86 | 90356 | S83 or S85 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:47 |
| S87 | 626 | S86 with S78 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 14:59 |

| | | | | | | |
|-----|---------|-----------------------------|---|----|----|------------------|
| S88 | 217 | S80 same S87 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:00 |
| S89 | 5326803 | lower higher | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:00 |
| S90 | 82 | S87 with S89 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:30 |
| S91 | 27 | S90 same S80 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:01 |
| S92 | 46 | S78 and S79 and S90 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 16:55 |
| S93 | 19 | S92 not S91 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:27 |
| S94 | 3 | S93 and soft | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:27 |
| S95 | 39 | S90 and soft | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:30 |
| S96 | 26 | S90 and reference with soft | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:37 |
| S97 | 6827 | S85 with S89 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:37 |

| | | | | | | |
|----------|---------|------------------------------|---|----|-----|------------------|
| S98 | 31 | S78 with S97 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:37 |
| S99 | 7 | S98 and reference with soft | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:48 |
| S10 0 | 1354316 | magnetic | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:47 |
| S10 1 | 33679 | S83 and S100 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:47 |
| S10 2 | 906 | S78 and S101 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:57 |
| S10 3 | 86 | S102 and reference with soft | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:58 |
| S10 4 | 98720 | S89 with S100 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:56 |
| S10 5 | 1376 | S78 and S104 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:57 |
| S10 6 | 104 | S105 and reference with soft | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:58 |
| S10 7 | 65988 | ("365").CLAS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/29 16:31 |

| | | | | | | |
|----------|------|--|---|----|-----|------------------|
| S10 8 | 98 | S107 and magnetic adj energy | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/01 22:15 |
| S10 9 | 0 | S107 and (magnetic adj energy) with reference adj layer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/29 16:36 |
| S11 0 | 7 | S107 and (magnetic adj energy) and reference adj layer | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/29 16:36 |
| S11 1 | 2 | ("5585986").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/01 22:13 |
| S11 2 | 959 | (257/421-427).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/01 22:14 |
| S11 3 | 7 | S112 and magnetic adj energy | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/02 07:24 |
| S11 4 | 4 | S113 and soft | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/01 22:16 |
| S11 5 | 7 | S113 and reference | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/01 22:16 |
| S11 6 | 4 | S115 and soft | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/01 22:16 |
| S11 7 | 4406 | (365/145,158,171,173,213,232). CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/02 07:24 |

| | | | | | | |
|----------|----|------------------------------|---|----|-----|------------------|
| S11 8 | 44 | S117 and magnetic adj energy | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/02 07:25 |
| S11 9 | 12 | S118 and soft | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/02 07:25 |